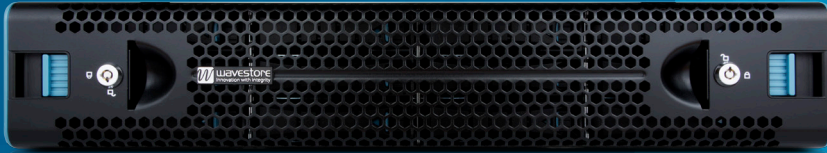


## PRODUCT DATASHEET



### At a glance:

- **NVR channels: up to 128 IP**
- **Hard drives: up to 12 x 3.5"**
- **Storage capacity: up to 72TB**
- **IP throughput: up to 1,200Mbps/s**
- **Dual PSU**

### V-Series Network Video Recorders (NVRs)

Wavestore V-Series NVRs offer a robust and reliable recording, management and control solution for large size security and video surveillance projects. With the ability to connect up to 128 network cameras per standalone unit, multiple V-Series NVRs can be configured into server groups\* to satisfy large and distributed installations via a single Graphical User Interface (GUI). Optional RAID and redundant power supply (PSU) can be specified at the time of order for an increased redundancy.

Rack mountable, **V-Series** NVRs can accommodate up to 12 x 3.5" hot swappable hard drives to provide up to 72TB of storage and thanks to industry leading throughput, users can typically expect 31 days continuous real-time recording from 64 Full HD cameras\*\*. A wide mix of camera technologies, including 360° fisheye cameras, are supported and customisable recording rates can be set per individual channel for both normal and 'on alarm' recording.

Initial setup allows connection of monitor, mouse and keyboard, whilst day-to-day operation requires remote client device connections. All **V-Series** NVRs are provided with a full three year return to base hardware warranty.

### Wavestore Video Management Software (VMS)

**V-Series** NVRs are compatible with all three levels of Wavestore's VMS: Base, Premium, and Enterprise, which offer a broad range of capabilities to ensure the right solution for any application. Coupled with a flexible and cost-effective licence model, additional cameras or functionality can easily be added at a later date without disruption to the existing system.

Full compliance with ONVIF, combined with Wavestore's 'any video, any format' philosophy enables users to benefit from camera technologies and compression formats offered by leading manufacturers.

In addition, integration with third-party providers for Access Control, Video Analytics, Alarm, PIDs & Sensor, Audio and EPoS & Text systems makes it possible to create best-in-breed total security solutions that meet exacting specifications for the end-customer\*.

### WaveView: one screen, total control

Known as the operators' favourite, WaveView is Wavestore's licence-free client software which delivers an intuitive interface designed to offer full, yet simple, control of total security solutions. Authorised WaveView client devices can simply access **V-Series** NVRs to give users full control of their security system. The WaveView Mobile application adds mobile viewing capability enabling operators to view and control their system from iOS or Android devices.

WaveView's leading search and playback capabilities allow operators to quickly review recorded images via an intuitive 'play bar', providing instantaneous access to exactly the right image from any point in time from the archived data, even over large amounts of stored data.

In just three mouse clicks, operators can export clips from multiple cameras simultaneously to a variety of file formats, or create a storyboard of events with a sequence of cameras, including virtual PTZ control of 360° fisheye cameras. Authentication and encryption of video and audio content are also supported.

### Key features:

- Wavestore's VMS is embedded directly onto the Linux operating system providing ultra-secure robust and reliable operation
- High megapixel, UHD, 4K, HD, MP, 360° fisheye, thermal and analogue\*\*\* camera support
- Leading client side 360° fisheye camera de-warping and ability to create multiple 'virtual cameras' from just one camera stream
- H.264, MJPEG, MPEG-2, MPEG-4, MxPEG and JPEG2000 video formats supported
- Host of additional third-party integration options covering Access Control, Video Analytics and other technologies
- View live and playback recorded video on the same screen simultaneously
- Configurable camera layouts by size, format and position
- Instantaneous video recall with 3-click export process - even from multiple cameras
- Instantly transmit video clips associated with an event
- Lip-sync audio as standard
- Specialist and bespoke device integration available via the WaveStar integration service\*
- Truly independent, open platform and ONVIF conformant

\* VMS licence level dependent

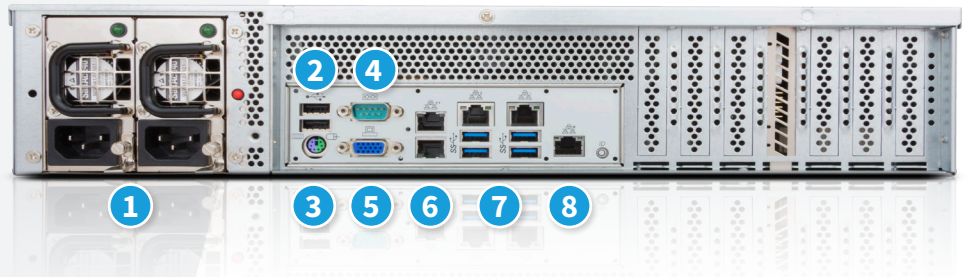
\*\* Typical expected figures; please make sure the calculations for your specific camera and site requirements are completed before ordering

\*\*\* Analogue cameras via compatible third-party video encoder or build-in analogue capture cards (hybrid option)

TECHNICAL SPECIFICATION	V-Series
Max. IP channels	128
Max. audio channels	128
Max. IP throughput	1,200Mbps/sec
Compression formats	H.264, MJPEG, MPEG-2, MPEG-4, MxPEG and JPEG2000
Typical video storage rate	1600 FPS
Max. number of Hard Drive Disks (HDD)	12
Max. internal storage (with 6TB drives)	72TB
Hot swap HDD bays	Yes
Storage redundancy (RAID 5, RAID 6 / N+1, N+2)	Optional
Redundant PSU (dual)	Yes
Form factor	2U rack mount case
Dimensions (D x W x H)	760mm x 483mm x 89mm
Weight (with 1 HDD fitted)	18Kg
Operating system drive	60GB SATA SSD

TECHNICAL SPECIFICATION	V-Series
CPU	i3 4360
RAM	4GB DDR3 ECC
Network interfaces	4 x Gb NIC
Additional network interfaces (optional)	-
USB ports	6 x USB2.0
Monitor output	VGA x 1
Alarm I/O module	Optional
Keyboard and mouse	Not Supplied
Local client use	Setup
Power input	100-240v AC 50/60Hz
Power consumption	100W typical
Wavestore VMS software compatibility	Base, Premium, Enterprise
Standard warranty	3 years (see warranty statement)

1. Dual mains input
2. 2x USB
3. Not used
4. Serial port (not used)
5. VGA monitor connection (setup only)
6. Network interface ports 0,1,2,3
7. 4X USB
8. Management port



### Build your V-Series NVR:

Series	Form Factor	Max No. of HDDs	Storage fitted (TB)	Drive Type Fitted	No. of Drives fitted	RAID ports	No. of NICs	Analogue Channels	Power Supply	CPU options	Graphics options
V	2 (2U)	12	4, 6, 8, 12, 16, 18, 20, 24, 28, 30, 32, 36, 40, 42, 44, 48, 54, 60, 66, 72	PU (Surveillance grade) GD (Enterprise grade)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	NR (none) R40 (4 int. 0ext.)	4G (4)	NA (none)	D (dual)	1 (i3 4360)	1 (standard)

We recommend the use of Enterprise grade HDDs if more than 550TB is written to each HDD per year

### Popular configurations:

**V212-4PU1-NR-4G-NA-D11**

V-Series rack-mount NVR, 4TB surveillance grade, HDD, dual PSU, 1200Mbps/sec, 100-240v AC

**V212-6PU1-NR-4G-NA-D11**

V-Series rack-mount NVR, 6TB surveillance grade, HDD, dual PSU, 1200Mbps/sec, 100-240v AC

**V212-72GD12-R40-4G-NA-D11**

V-Series rack-mount NVR, 72TB enterprise grade, HDD, 4 internal and 0 external RAID ports, dual PSU, 1, 200Mbps/sec, 100-240v AC

Channel licenses sold separately



**GLOBAL HQ (EMEA)**

Wavestore Global Ltd.

Tel: +44 (0) 1895 527 127

Email: [info@wavestore.com](mailto:info@wavestore.com)  
Visit: [wavestore.com](http://wavestore.com)



**USA/CANADA**

Wavestore Americas Inc.

Toll-free: 855-526-8887

Version 3